



(A Tata Power and Odisha Government Joint Venture)

No. TPSODL/Comm./_____

Date: _____

To,

(Applicant's Name) _____

(Address) _____

Sub: Sanction letter for Installation of Solar Rooftop System and Permission for Net Metering/ Bi-directional Metering of _____ kWp (Inverter Capacity= _____) Roof Top Solar P V (RTSPV) Plant at premises of _____ bearing Consumer No. _____.

Ref: 1. Your Application No. _____, dated _____

2. Letter No _____, Dated _____ of _____ Sub-Division.

Sir,

With reference to the above-mentioned Application No. & the technical feasibility, approval is hereby accorded for installing RTSPV system of _____ kWp in your premises.

(I) As per Clause 8 of OERC Net Metering Order No. OERC-Engg. 02/ 2010/ (Vol-IV)/ 1131 dated 19/08/2016 as amended up to 17/01/2018, the permission is accorded herewith for net metering of _____ subject to fulfilment of following terms and conditions;

- a) The aforesaid Rooftop Solar PV Power System shall be installed as per drawings and diagrams submitted to concerned Division.
- b) The aforesaid Rooftop Solar PV projects shall comply with the relevant standards and guidelines specified by the MNRE/ BIS/ CEA/ IEEE and the OERC Net metering order No. 1131 dated 19/08/2016 (its amendment order from time to time) with respect to safe, secure, operation and maintenance, drawing and diagrams, harmonics, voltage, frequency, flicker, reliable function etc prior to its grid connection/ synchronization.
- c) Consumer may opt for Company provided _____ rating Net/ Bi-Directional Meter by depositing necessary estimated cost towards Meter & Box Rs. _____ (Rs _____ only) as per sanctioned Estimate No ____/ ____ Dt. _____ in shape of DDs in favour of _____ payable at _____ or through RTGS/ NEFT in Acct No _____ IFSC Code _____ in favour of _____ & Consumer will arrange another _____ rating Meter for recording of Solar Generation basing on Sanctioned Capacity
or
Consumer will arrange _____ rating 1 Ph Net Meter tested at Standard Testing Lab (STL), GoO, BBSR & _____ rating 1 Ph Meter for recording of Solar generation tested at TPSODL Meter Testing Lab, Berhampur.
(If existing meter is party provided & in good condition, the same meter may be used as Generation Meter basing on the Sanctioned Capacity or Feasibility Status else to be arranged by Party for above both cases).
- d) The used inverters should meet the necessary quality requirements as specified and checked/ allowed by concerned Divisional Engineer before synchronization/ commission. The protection logics should be tested before commissioning of the aforesaid Plant.
- e) The inverter standard shall be such that it should not allow solar power/ battery power/ DG power to extend to distribution licensee's supply system on failure of distribution licensee's grid supply, irrespective of the LT connectivity options.

TP SOUTHERN ODISHA DISTRIBUTION LIMITED

(A Tata Power and Odisha Government Joint Venture)

Regd./Corp Office: Kamapally, Coutpetta, Berhampur, Ganjam, Odisha, India- 760004

Website: www.tpsouthernodisha.com, Email: tpsouthernodisha.com, CIN: U40300OR2020SGC035195

Telephone No: 0680-2233971, Fax No: 0680-2233642

- f) The inverter should be a sine wave inverter. Harmonic standards shall be as per IEEE 519. To avoid DC injection into the grid and to ensure other power quality parameters, the AC output of the inverter shall be connected through an Isolation Transformer to the distribution licensee's system.
- g) The automatic isolation or islanding protection of solar rooftop PV projects should be ensured for no grid supply, low or over voltage conditions and within the required response time. Fuses and fast acting circuit breakers of adequate rating on input and output side of the inverters and disconnect / isolating switches to isolate DC and AC system for maintenance shall be provided. The consumer should provide for all internal safety and projective mechanism for earthing, surge. DC ground fault, transients etc. as per the CEA regulation/standards.
- h) To prevent back feeding and possible accidents when there is no supply from distribution licensee's side, Double pole/ triple pole isolating disconnect switches which can be locked by distribution licensee personnel should be provided by the consumer. This is in addition to automatic sensing and isolating on grid supply failure etc. and also in addition to internal disconnect switches. In the event of distribution licensee's supply failure, the consumer has to ensure that there will not be any solar power being fed to the system of distribution licensee. **The consumer is solely responsible for any accident to human beings/ animals whatsoever (fatal /non-fatal / departmental /non-departmental) that may occur due to back feeding from the solar rooftop PV projects when there is supply failure from distribution licensee's side. Distribution licensee reserves the right to disconnect the installation at any time in the event of damage to its grid, meter, etc. or to prevent further accident or damage.**
- i) When the consumer prefers LT connectivity with battery backup (full load backup/ partial load backup), the inverter shall have separate backup wiring to prevent the battery/DG power from flowing into the grid in the absence of grid supply and manual isolation switch shall also be provided. The manual isolation switch shall have locking facilities to enable distribution licensee personnel to keep it switched off and locked during maintenance works.
- j) Earthing, lightning protection and other safety compliance by the consumer as per applicable standards and regulations.

You are requested to ensure the fulfilment of the above terms and conditions [mentioned at point (I) (a) to (j)], in coordination with field officers prior to the grid connectivity/ synchronization.

- (II) Further, you are requested to ensure submission of following documents prior to the grid connectivity/ synchronization: -
 - (i) Work Completion report (indicating details of equipment, protection etc.) signed by both consumer and solar developer.
 - (ii) Inspection Report & Safety Certificate from the concerned officers of TPSODL as per SOP if solar sanction capacity is less than 50 KVA or from Electrical Inspector if more than 50 KVA.
 - (iii) Consumer self-certified Single line schematic diagram in respect of system facility which should be certified by designated officer of TPSODL as per SOP.
 - (iv) Consumer self-certified Ratings, test reports (Islanding protection etc.) and specifications of all project equipment's (viz. Inverter, PV Module and Cable & Connector etc.) with certified by designated officer of TPSODL as per SOP.
 - (v) Testing Certificate of Meter that get tested in Standard Testing Lab (STL), BBSR.
 - (vi) Agreement executed between TPSODL and Consumer in the Standard Agreement Form (as per Annexure-III of OERC Net Metering Order) prior to grid connectivity and net metering.
 - (vii) Final paid E. Ch. money receipt toward Arrear If any pending against the existing consumer before energization of rooftop solar project.



Regarding release of 1 Ph Net Meter from store & discovered price of same would be intimated from time to time subject to the stock availability in the store.

Besides, you are also requested to ensure that the overall conditions of service and supply have been strictly complied by the consumer with respect to the OERC Distribution (Conditions of Supply) Code, 2004 and its amendments from time to time prior to the gridconnectivity/ synchronization.

TPSODL will not be held any responsible, if Govt of Odisha as per guideline/ Law/ Regulation of the Apex Statutory Body doesn't permit the said project or power supply availed from TPSODL through fabricated/ forgery documents for which power supply will be disconnected without any notice.

It is also to inform you that if any changes are made in the aforesaid Solar Ground Mounted PV Power Plant or in its connectivity by consumer then the drawing and diagrams shall be amended accordingly after due approval from competent authority of TPSODL.

This Permission shall be valid for 90 days from the date of issue of this letter.

Yours faithfully,

Designated Officer, TPSODL

CC to

1. Circle Head, _____ for kind information.
2. Head, KCG/ Nodal Officer, Solar Corporate Office for information.
3. Sub-Division Head/ Section Head _____ / _____ for information.

TP SOUTHERN ODISHA DISTRIBUTION LIMITED

(A Tata Power and Odisha Government Joint Venture)

Regd./Corp Office: Kamapally, Coutpeta, Berhampur, Ganjam, Odisha, India- 760004

Website: www.tpsouthernodisha.com, Email: tpsouthernodisha.com, CIN: U40300OR2020SGC035195

Telephone No: 0680-2233971, Fax No: 0680-2233642